

**Saturday March 10, 2018**  
**The 7th & 8th Grade Math Contest**  
Sponsored by the  
**Great Cleveland Council of Teachers of Mathematics**  
[www.mycctmonline.org](http://www.mycctmonline.org)

Dear Educator,

The Greater Cleveland Council of Teachers of Mathematics is pleased to invite you and your 7th and 8th-grade students to participate in our annual Math Contest.

**The purposes of this tournament are to:**

- \*Promote enthusiasm for mathematics**
- \*Recognize students for their interest, perseverance, and talent in mathematics & problem solving**
- \*Challenge these students in an energising and competitive setting**
- \*Celebrate community-wide the achievements of these young mathematicians.**

This year's tournament will be held on Saturday March 10, 2018 at 6 sites located throughout the Greater Cleveland area. We appreciate the generous commitment of our host teachers and their administrators, for providing facilities for this tournament.

The tournament problems support and extend Ohio's Learning Standards in Mathematics. Preparation for the Tournament provides excellent practice and enrichment for state assessments. The application of skills required in the tournament can assist students in reaching Accelerated or Advanced levels on the Performance Index and enhance your Value Added score on your school's Report Card.

The best preparation for you and your students is to practice problems from previous tournaments, which are distributed after the tournament to the teachers from the schools participating. Some problems from previous tournaments are available on our website. The registration packet may be viewed and downloaded at this GCCTM site: [www.mycctmonline.org](http://www.mycctmonline.org).

Note to host site Coordinators:

GCCTM will pay the registration fees for up to **four teams** . However, to reserve enough space, you must register all of your teams on the Registration Form / Invoice, and send it in ASAP.

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**Tournament Coordinator:** Kristen McGinness  
Email: [mcginnessgcctm@gmail.com](mailto:mcginnessgcctm@gmail.com)  
Phone: 216-798-6651

**Team Allowance & Fees:** Teams will consist of 3 students from the same grade. If needed we will permit a 7th grade student to be on an 8th grade team, but they will be at a disadvantage. We will not permit teams with less than 3 members. A fee of \$15 is charged for each team entering the tournament. **The registration and fee must be received by December 31, 2017.** Because space is limited at each tournament site, **registrations will be accepted until December 31st** or until all space is filled, when ever comes first. To register, go to GCCTM's Competitions page at: <http://mygcctmonline.org/competitions/>.

**Supervision:** each school must send at least one faculty member for every 4 teams to help supervise and facilitate the tournament. If a school is sending less than 4 teams, at least one supervisor must accompany them.

**Materials:** Each student should have sharpened pencils, a calculator, a protractor, and a ruler. Other materials will be provided.

Time schedule: 8:30-8:50am Registration (**please do not arrive before 8:30 AM**)  
8:50 Welcome and instructions  
9:00 Tournament begins  
10:45 Refreshments  
11:15 Awards Ceremony

(Parents and family members are encouraged to attend the awards ceremony.)

**Events:** The problems used in this tournament will consist of challenging problems that reflect the expectations detailed in the Ohio's New Learning Standards and by the National Council of Teachers of Mathematics. The problems have been prepared by a committee of GCCTM members. This group or its representatives will act as arbiter for all questions regarding the scoring of this tournament.

### **Tournament Procedures:**

Each team will compete in four events which make up the tournament. Calculators are permitted in all rounds, except the mental math rounds. The four events are: Six Places to Start, Mental Math Hurdles, Hurdles, and The Pile.

The times given are the approximate total working times for each event.

I. In the first event, Six Places to Start, the team members will work together to solve seven problems. The first six problems must be solved by the team before the seventh can be attacked because the answers to the first six problems are incorporated into the seventh problem. This section is worth 110 points and students will be given approximately 20 minutes.

II. The second event will consist of 12 mental math problems. Students will be working as a team to solve problems mentally, relying on their understanding of arithmetic operations and number sense. One person from each team will be the official "runner". The "runner will take the completed problems up to the table, write the answer down, and receive the next problem. Calculators are not used during this event. Each problem will be worth 10 points. Students will have approximately 15 minutes.

III. In the third event, Hurdles, the team will solve a sequence of problems. There are ten total problems. The first problem must be solved before the team can dash to a designated point to pick up the next problem. This active event is a student favorite. Scoring varies with the first 3 hurdles worth 15 points, the next 4 worth 10 points, and the final 3 worth 5 points. Students will have approximately 20 minutes.

IV. The fourth event will consist of 20 mixed-application problems known as The Pile. The team members will work together during this event. Each problem is worth 10 points and students will have approximately 20 minutes.

**Guests:** Parents and guests are encouraged to support their students by attending the awards assembly following the competition. A room will be available for parents and/or guests to stay during the competition, but they are **not permitted in competition room or scoring room.**

**Awards:** Each student on a team will receive an award. Each team and the individuals on that team will be recognized in front of all participants. Members of teams scoring in the top 20% will receive a trophies. The teams in the next 40% percent will receive a blue ribbon(Champion). The teams in the final 40% will receive a red ribbon(Special Award).

**Publicity:** You may send out a press release regarding participation in the tournament. We REQUIRE one limitation. **This tournament is in no way planned to be a comparison of the participating schools or school systems.** Therefore any publicity released by any school will neither contain nor imply such comparison. At the tournament, students are not permitted to wear any clothing that advertises their school name, or school mascot. Schools which cannot comply with this condition are asked not to participate in the GCCTM Problem Solving Tournament.

### 7th-8th Grade Tournament Sites:

Cardinal Middle School 16175 Almeda Dr. Middlefield, OH 44062	Hawken 5000 Clubside Rd. Lyndhurst, OH 44124
Holy Name High School 6000 Queen's Highway Parma Hts. , OH 44130	Lake Ridge Academy 37501 Center Ridge Rd. North Ridgeville, OH 44039
Mayfield Middle School 1123 SOM Center Rd. Mayfield Hts., OH 44124	Seton Catholic 6923 Stow Rd. Hudson , OH 44236

**\*\*Note: Sites are subject to change. Sites may be added or subtracted due to registration numbers\*\***

Sponsor: The Greater Cleveland Council of Teachers of Mathematics is made up of educators in the Greater Cleveland area interested in mathematics education. Other annual activities include a tournament for 5th and 6th grader students, a Spring Awards banquet, and a variety of workshops and professional development meetings throughout the school year. The Council also publishes a newsletter, NUMBER NOTES, five times per year. If you are interested in joining GCCTM, please visit [www.mycctonline.org](http://www.mycctonline.org).